

cholesterol-5,6-oxide hydrolase

Cat. No. EXWM-3996

Lot. No. (See product label)

Introduction

Description

The enzyme appears to work equally well with either epoxide as substrate. The product is a competitive inhibitor of the reaction. In vertebrates, five epoxide-hydrolase enzymes have been identified to date: EC 3.3.2.6 (leukotriene-A4 hydrolase), EC 3.3.2.7 (hepoxilin-epoxide hydrolase), EC 3.3.2.9 (microsomal epoxide hydrolase), EC 3.3.2.10 (soluble epoxide hydrolase) and EC 3.3.2.11 (cholesterol 5,6-oxide hydrolase).

Synonyms

cholesterol-epoxide hydrolase; ChEH

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.3.2.11

Reaction

(1) $5,6\alpha\text{-epoxy-}5\alpha\text{-cholestan-}3\beta\text{-ol} + \text{H}_2\text{O} = 5\alpha\text{-cholestane-}3\beta,5\alpha,6\beta\text{-triol}$; (2) $5,6\beta\text{-epoxy-}5\beta\text{-cholestan-}3\beta\text{-ol} + \text{H}_2\text{O} = 5\alpha\text{-cholestane-}3\beta,5\alpha,6\beta\text{-triol}$

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.